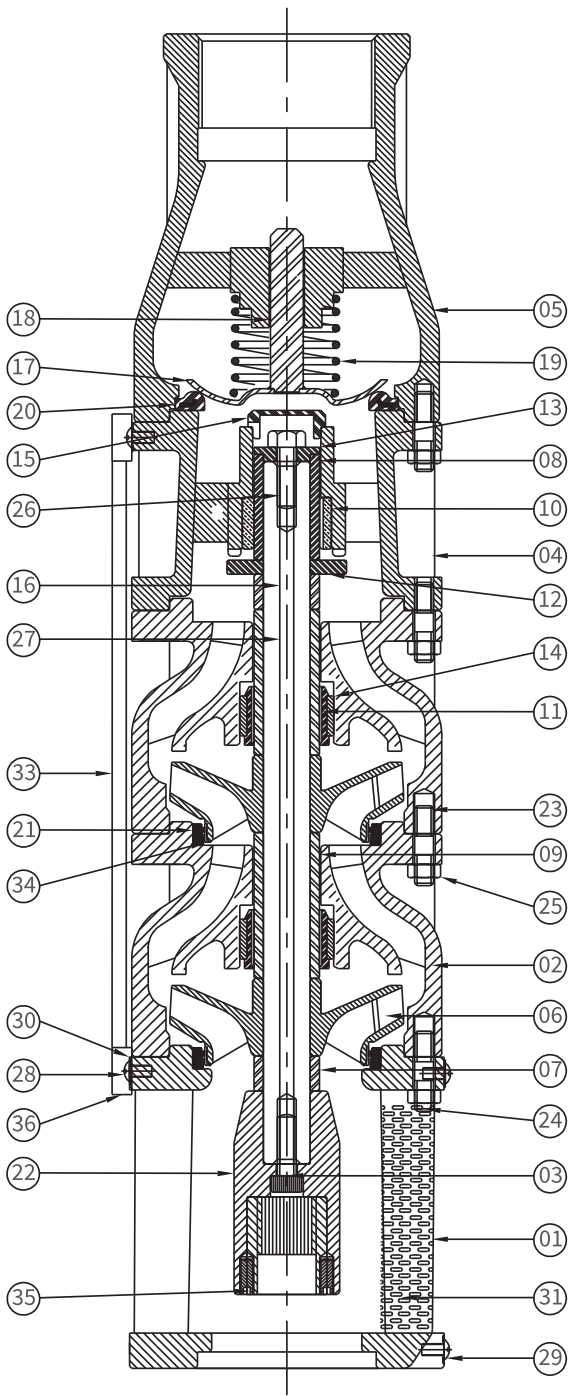


Submersible Pumps

6MF 600, 6MF 610, 6MF 630, 6MF 640, 6MF 650, 6MF 670
SERIES PUMP DESIGN

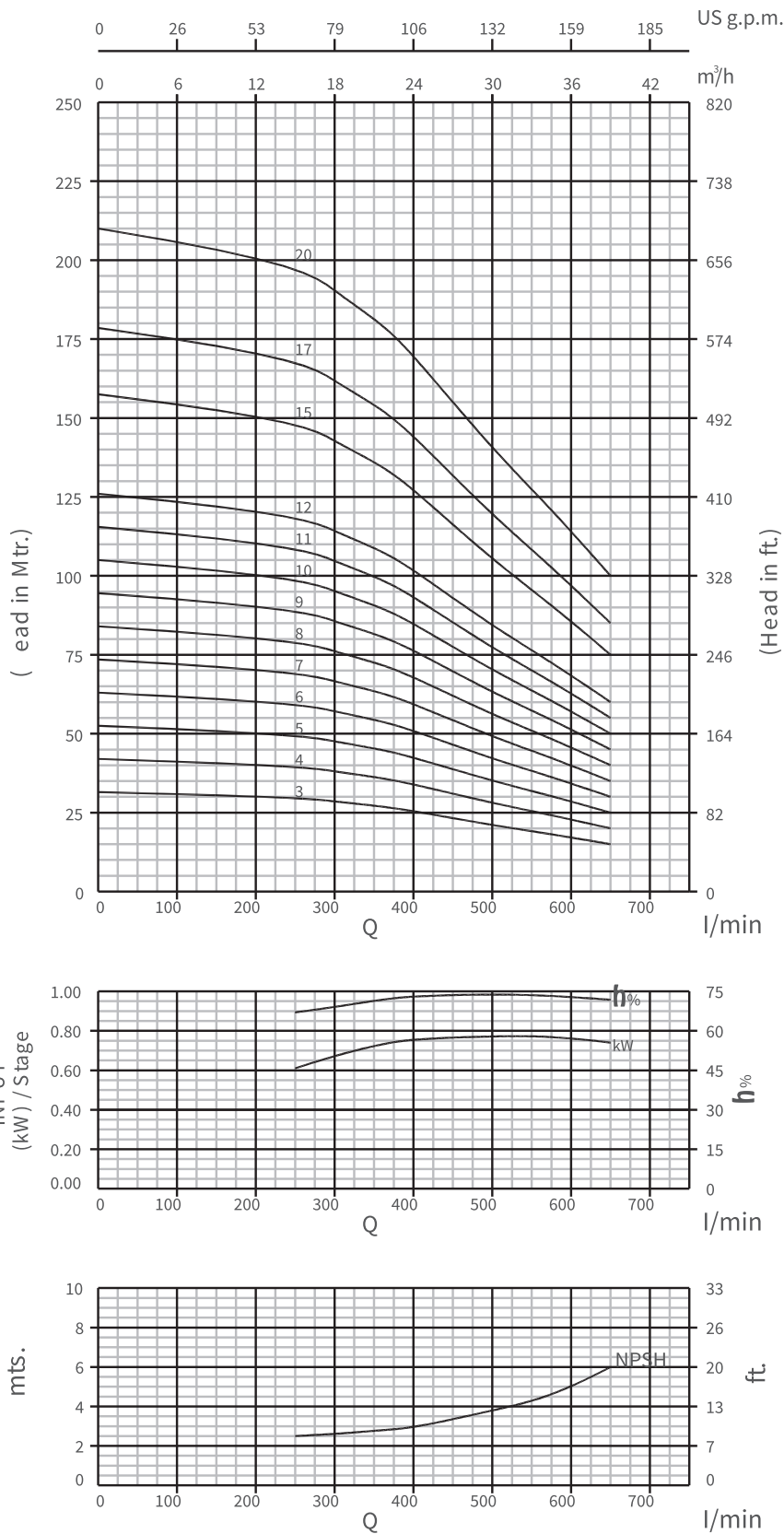
Material Specification

NO	PARTS NAME	MATERIAL
1	SUCTION	CAST IRON
2	STAGE CASING	CAST IRON
3	ALLEN BOLT	S.S. 304
4	D.O.L.	CAST IRON
5	DELIVERY CASING	CAST IRON
6	IMPELLER (G.M.)	G.M.
	IMPELLER (S.S. 410)	S.S. 410
7	SLEEVE (DIST.)	S.S. 410
8	SLEEVE (TOP)	S.S. 410
9	SLEEVE (STAGE CASING)	S.S. 410
10	BEARING BUSH	L.T.B 4 (2% NI)
11	BOWL BUSH	N.B.R.
12	THRUST COLLAR	S.S. 410
13	TOP COLLAR	S.S. 304
14	BUSH COLLAR	P.P.O (20% GF)
15	DOL CAP	P.P.O.
16	SHAFT	LEAN DUPLEX
17	N.R.V. CONE PLATE	S.S. 202
18	N.R.V. CONE ROD	S.S. 304
19	N.R.V. CONE SPRING	S.S. 304
20	N.R.V. NECKRING	M.S. / N.B.R.
21	BOWL NECKRING	M.S./N.B.R.
22	COUPLING(EXPORT)	S.S.304
23	STUD (STAGE CASING & DOL)	S.S.304
24	STUD (SUCTION)	S.S.304
25	HEX NUT	S.S.304
26	HEX BOLT	S.S.304
27	KEY	S.S. 304
28	SCREW(CABLE GUARD)	S.S. 304
29	SCREW(STRAINER)	S.S. 304
30	SCREW WASHER	S.S. 304
31	STRAINER	S.S.202
32	PAPER GASKET	PAPER
33	CABLE GUARD	S.S. 202
34	IMPELLER NECKRING	S.S. 202
35	GRUB SCREW	S.S. 304
36	CABLE CLIP	S.S. 202



6MF 600, 50Hz
ISO 9906 Annexure A

Performance Curves



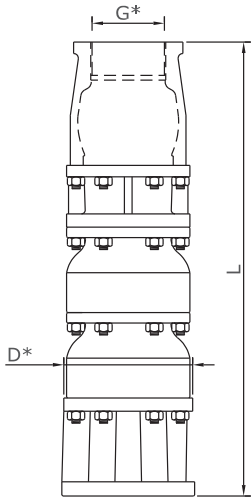
6MF 600, 50Hz
ISO 9906 Annexure A

Performance Chart

Model Name		Rating			Discharge								
		kW	HP		l/min m ³ /h	0	250	300	360	400	500	580	650

Model Name	Stage	kW	HP	HEAD IN Mtrs.	Discharge								
					l/min m ³ /h	0	250	300	360	400	500	580	650
6MF 600-03	3	2.20	3.00			32	30	28	27	26	21	18	15
6MF 600-04	4	3.00	4.00			42	40	38	36	34	28	24	20
6MF 600-05	5	4.00	5.50			52	50	48	45	42	35	30	25
6MF 600-06	6	4.50	6.00			63	60	57	54	51	42	36	30
6MF 600-07	7	5.50	7.50			74	70	66	63	60	49	42	35
6MF 600-08	8	5.50	7.50			84	80	76	72	68	56	48	40
6MF 600-09	9	7.50	10.00			94	90	86	81	76	63	54	45
6MF 600-10	10	7.50	10.00			105	100	95	90	85	70	60	50
6MF 600-11	11	7.50	10.00			116	110	104	99	94	77	66	55
6MF 600-12	12	9.30	12.50			126	120	114	108	102	84	72	60
6MF 600-15	15	11.00	15.00			158	150	142	135	128	105	90	75
6MF 600-17	17	13.00	17.50			178	170	162	153	144	119	102	85
6MF 600-20	20	15.00	20.00			210	200	190	180	170	140	120	100

Dimensions & Weights

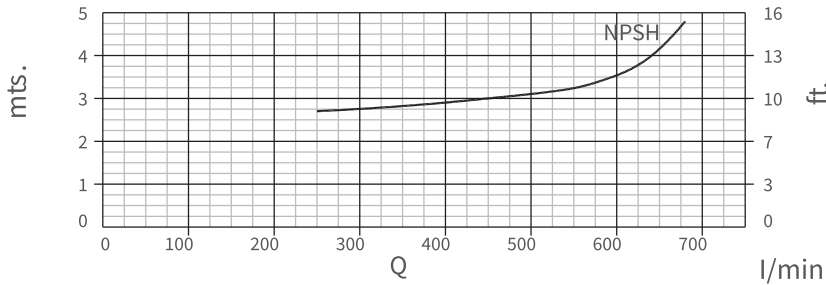
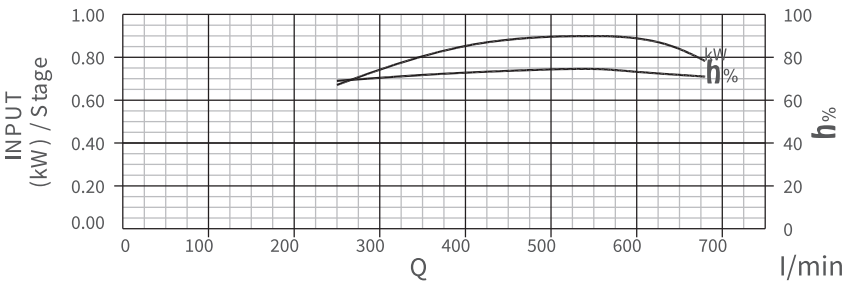
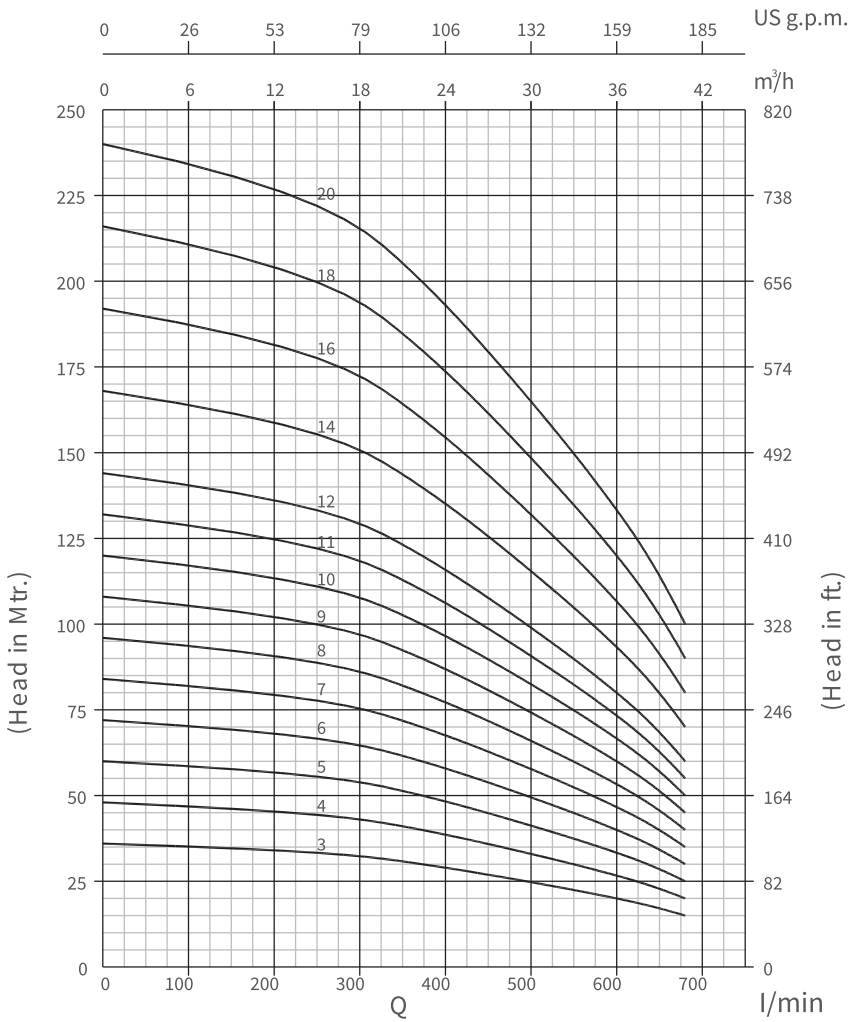


Model name	Specification				
	D (mm) Single Cable Guard	D (mm) Double Cable Guard	L (mm)	Weight (kg)	Weight (incl.pkg kg)
6MF 600-03	144	146	630	26.0	34.0
6MF 600-04	144	146	720	30.0	38.0
6MF 600-05	144	146	810	34.0	42.0
6MF 600-06	144	146	900	38.0	46.0
6MF 600-07	144	146	990	42.0	49.0
6MF 600-08	144	146	1080	45.0	53.0
6MF 600-10	144	146	1260	53.0	61.0
6MF 600-11	144	146	1350	57.0	65.0
6MF 600-12	144	146	1440	61.0	69.0
6MF 600-15	144	146	1710	73.0	81.0
6MF 600-17	144	146	1890	81.0	89.0
6MF 600-20	144	146	2160	92.0	100.0

*G: Available Outlet Size 2.5" & 3"
*D: With Cable Guard

6MF 610, 50Hz
ISO 9906 Annexure A

Performance Curves



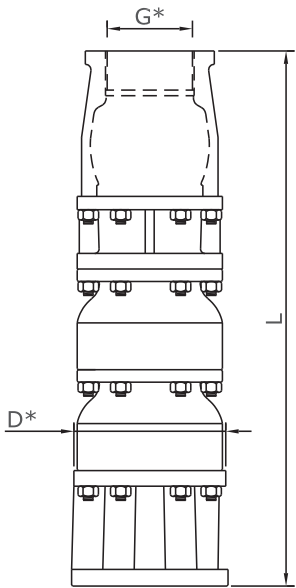
6MF 610, 50Hz
ISO 9906 Annexure A

Performance Chart

Model Name		Rating			Discharge							
Three Phase	Stage	kW	HP	l/min m³/h	0	250	350	450	550	580	640	680
					0	15.0	21.0	27.0	33.0	34.8	38.4	40.8

6MF 610-03	3	3.00	4.00	HEAD IN Mtrs.	36	34	31	27	22	21	18	15
6MF 610-04	4	4.00	5.50		48	45	41	36	30	28	24	20
6MF 610-05	5	4.50	6.00		60	57	52	45	38	35	30	25
6MF 610-06	6	5.50	7.50		72	68	62	54	45	42	36	30
6MF 610-07	7	7.50	10.00		84	79	72	63	52	49	42	35
6MF 610-08	8	7.50	10.00		96	91	83	72	60	56	48	40
6MF 610-09	9	9.30	12.50		108	102	93	81	68	63	54	45
6MF 610-10	10	9.30	12.50		120	113	103	90	75	70	60	50
6MF 610-11	11	11.00	15.00		132	125	114	99	82	77	66	55
6MF 610-12	12	11.00	15.00		144	136	124	108	90	84	72	60
6MF 610-14	14	13.00	17.50		168	159	145	126	105	98	84	70
6MF 610-16	16	15.00	20.00		192	181	165	144	120	112	96	80
6MF 610-18	18	18.50	25.00		216	204	186	162	135	126	108	90
6MF 610-20	20	18.50	25.00		240	227	207	180	150	140	120	100

Dimensions & Weights

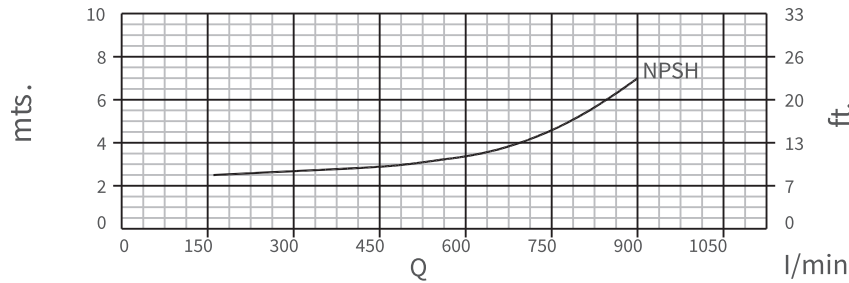
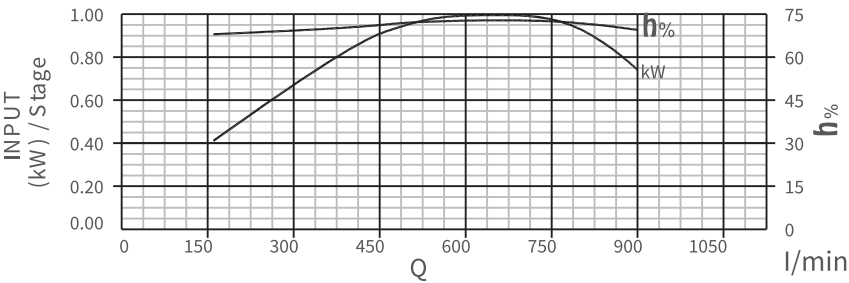
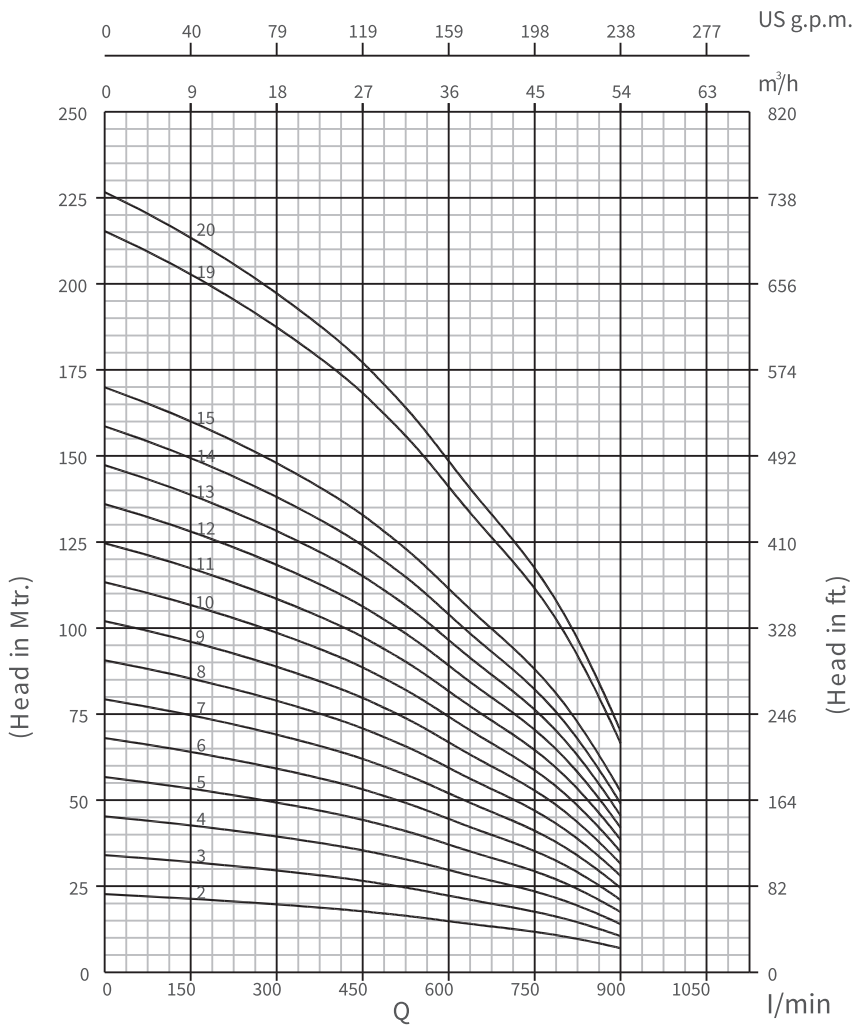


Model Name	Specification				
	D (mm) Single Cable Guard	D (mm) Double Cable Guard	L (mm)	Weight (kg)	Weight (incl.pkg kg)
6MF 610-03	142	145	663	28.0	36.0
6MF 610-04	142	145	758	33.0	41.0
6MF 610-05	142	145	853	38.0	46.0
6MF 610-06	142	145	948	43.0	51.0
6MF 610-07	142	145	1043	48.0	56.0
6MF 610-08	142	145	1138	52.0	60.0
6MF 610-09	142	145	1233	57.0	65.0
6MF 610-10	142	145	1328	62.0	70.0
6MF 610-11	142	145	1423	67.0	75.0
6MF 610-12	142	145	1518	72.00	79.0
6MF 610-14	142	145	1708	81.0	89.0
6MF 610-16	142	145	1898	91.0	99.0
6MF 610-18	142	145	2088	101.0	109.0
6MF 610-20	142	145	2278	110.0	118.0

*G:Available Outlet Size 2.5" & 3"
*D:With Cable Guard

6MF 630, 50Hz
ISO 9906 Annexure A

Performance Curves

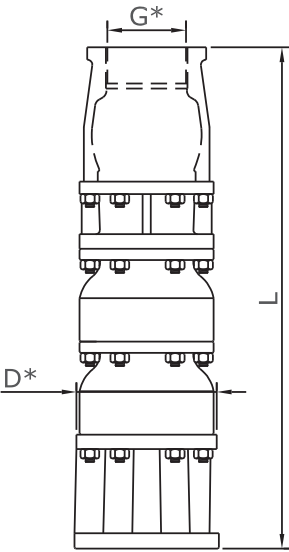


6MF 630, 50Hz
ISO 9906 Annexure A

Performance Chart

Model Name		Rating			Discharge							
Three Phase	Stage	kW	HP	l/min m ³ /h	0	160	400	480	550	650	800	900
					0	9.6	24.0	28.8	33.0	39.6	48.0	54.0
6MF 630-02	2	3.00	4.00	HEAD IN Mtrs.	23	21	19	17	16	14	11	7
6MF 630-03	3	4.00	5.50		34	32	28	26	24	21	16	10
6MF 630-04	4	4.50	6.00		45	43	37	34	32	27	22	14
6MF 630-05	5	5.50	7.50		57	54	46	43	40	34	28	18
6MF 630-06	6	7.50	10.00		68	64	56	52	48	41	33	21
6MF 630-07	7	9.30	12.50		79	75	65	60	56	48	38	24
6MF 630-08	8	9.30	12.50		91	86	74	69	64	55	44	28
6MF 630-09	9	11.00	15.00		102	96	84	77	72	62	50	32
6MF 630-10	10	11.00	15.00		113	107	93	86	80	68	55	35
6MF 630-11	11	13.00	17.50		125	118	102	95	88	75	60	38
6MF 630-12	12	15.00	20.00		136	128	112	103	96	82	66	42
6MF 630-13	13	15.00	20.00		147	139	121	112	104	89	72	46
6MF 630-14	14	15.00	20.00		159	150	130	120	112	96	77	49
6MF 630-15	15	18.50	25.00		170	160	140	129	120	103	82	52
6MF 630-19	19	22.00	30.00		215	203	177	163	152	130	104	66
6MF 630-20	20	22.00	30.00		227	214	186	172	160	137	110	70

Dimensions & Weights

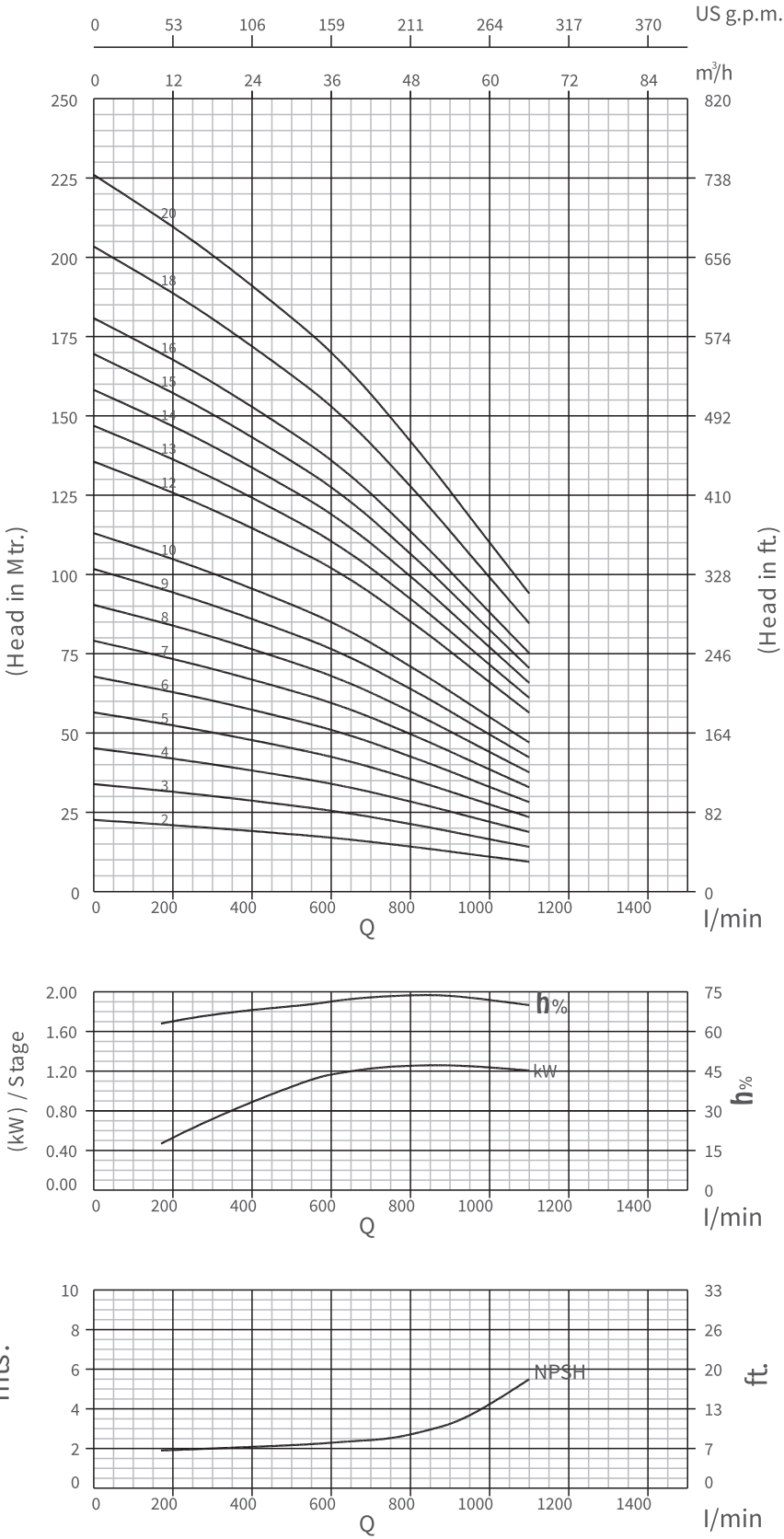


Model name	Specification				
	D (mm) Single Cable Guard	D (mm) Double Cable Guard	L (mm)	Weight (kg)	Weight (incl.pkg kg)
6MF 630-02	142	145	578	24.0	32.0
6MF 630-03	142	145	678	29.0	37.0
6MF 630-04	142	145	778	34.0	42.0
6MF 630-05	142	145	878	39.0	47.0
6MF 630-06	142	145	978	44.0	52.0
6MF 630-07	142	145	1078	49.0	57.0
6MF 630-08	142	145	1178	54.0	62.0
6MF 630-09	142	145	1278	59.0	67.0
6MF 630-10	142	145	1378	64.0	72.0
6MF 630-11	142	145	1478	69.0	77.0
6MF 630-12	142	145	1578	74.0	82.0
6MF 630-13	142	145	1678	79.0	87.0
6MF 630-14	142	145	1778	84.0	92.0
6MF 630-15	142	145	1878	89.0	97.0
6MF 630-19	142	145	2278	109.0	117.0
6MF 630-20	142	145	2378	114.0	121.0

*G:Available Outlet Size 2.5" & 3"
*D:With Cable Guard

6MF 640, 50Hz
ISO 9906 Annexure A

Performance Curves



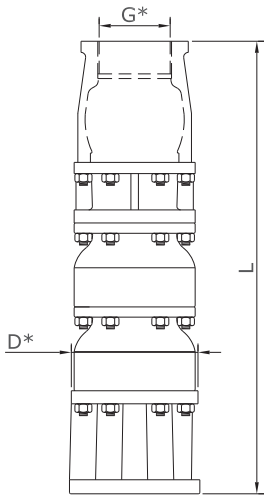
6MF 640, 50Hz
ISO 9906 Annexure A

Performance Chart

Model Name		Rating			Discharge									
Three Phase	Stage	kW	HP	l/min	0	170	300	550	600	680	760	860	950	1100
				m³/h	0	10.2	18.0	33.0	36.0	40.8	45.6	51.6	57.0	66.0

6MF 640-02	2	4.00	5.50	HEAD IN Mtrs.	23	21	20	18	17	16	15	13	12	9
6MF 640-03	3	4.50	6.00		34	32	30	26	26	24	22	20	18	14
6MF 640-04	4	5.50	7.50		45	42	40	35	34	32	30	27	24	19
6MF 640-05	5	7.50	10.00		56	53	50	44	42	40	37	33	30	24
6MF 640-06	6	9.30	12.50		68	64	60	53	51	48	44	40	35	28
6MF 640-07	7	9.30	12.50		79	74	70	62	60	56	52	47	41	33
6MF 640-08	8	11.00	15.00		90	85	80	70	68	64	59	53	47	38
6MF 640-09	9	13.00	17.50		102	96	91	79	76	72	67	60	53	42
6MF 640-10	10	15.00	20.00		113	106	101	88	85	80	74	66	59	47
6MF 640-12	12	18.50	25.00		136	127	121	106	102	96	89	80	71	56
6MF 640-13	13	18.50	25.00		147	138	131	114	110	104	96	86	77	61
6MF 640-14	14	22.00	30.00		158	149	141	123	119	112	104	93	83	66
6MF 640-15	15	22.00	30.00		170	159	151	132	128	120	111	100	88	70
6MF 640-16	16	22.00	30.00		181	170	161	141	136	128	118	106	94	75
6MF 640-18	18	30.00	40.00		203	191	181	158	153	144	133	120	106	85
6MF 640-20	20	30.00	40.00		226	212	201	176	170	160	148	133	118	94

Dimensions & Weights

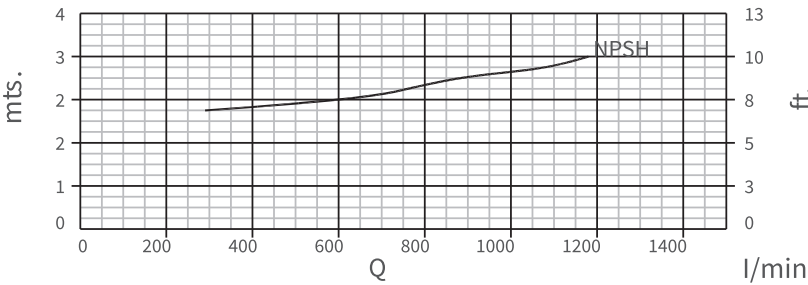
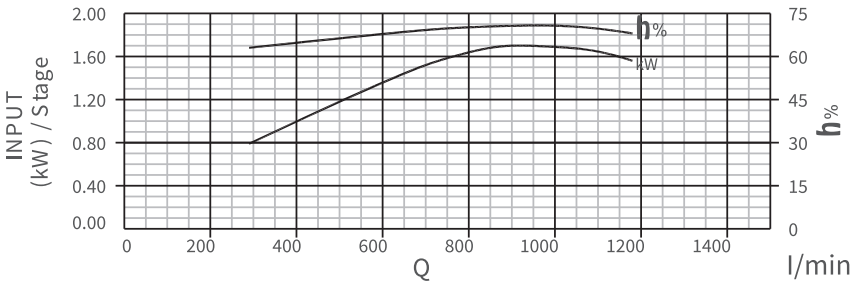
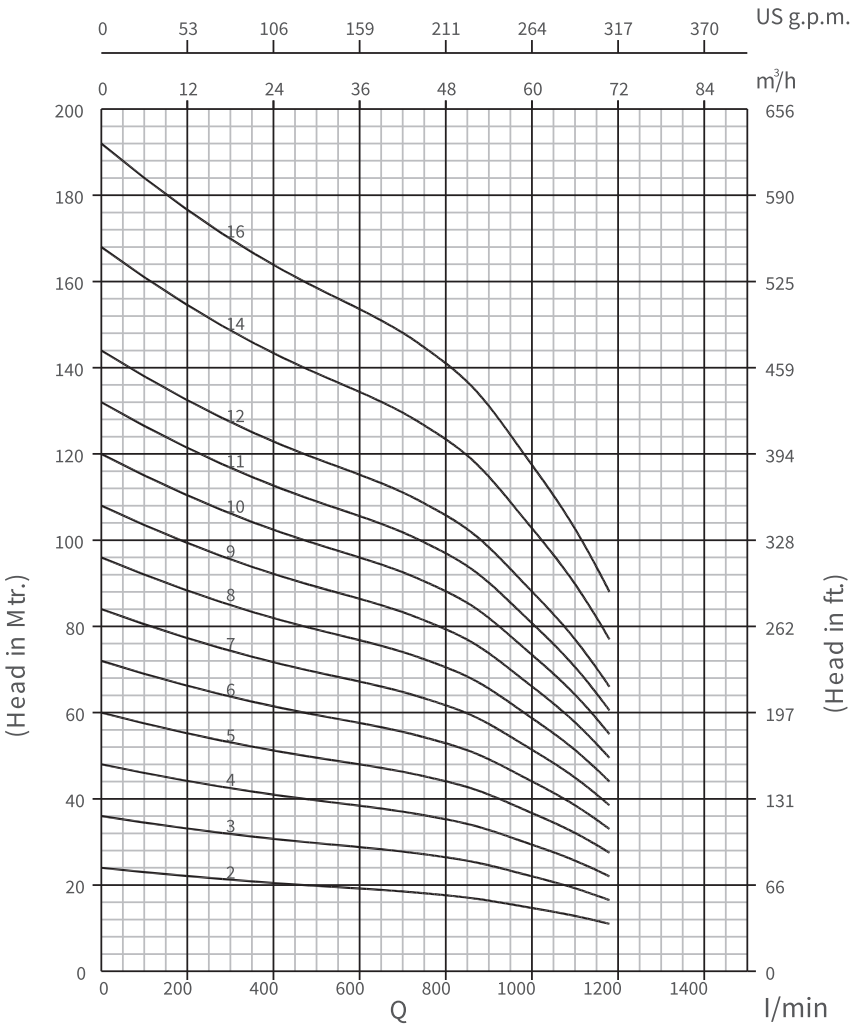


Model name	Specification				
	D (mm) Single Cable Guard	D (mm) Double Cable Guard	L (mm)	Weight (kg)	Weight (incl.pkg kg)
6MF 640-02	144	146	583	24.0	32.0
6MF 640-03	144	146	688	30.0	38.0
6MF 640-04	144	146	793	35.0	43.0
6MF 640-05	144	146	898	40.0	48.0
6MF 640-06	144	146	1003	45.0	53.0
6MF 640-07	144	146	1108	50.0	58.0
6MF 640-08	144	146	1213	55.0	63.0
6MF 640-09	144	146	1318	60.0	68.0
6MF 640-10	144	146	1423	66.0	74.0
6MF 640-12	144	146	1633	76.0	84.0
6MF 640-13	144	146	1738	81.0	89.0
6MF 640-14	144	146	1843	86.0	94.0
6MF 640-15	144	146	1948	92.0	100.0
6MF 640-16	144	146	2053	97.0	105.0
6MF 640-18	144	146	2263	107.0	115.0
6MF 640-20	144	146	2473	117.0	125.0

*G:Available Outlet Size 3" & 4"
*D:With Cable Guard

6MF 650, 50Hz
ISO 9906 Annexure A

Performance Curves

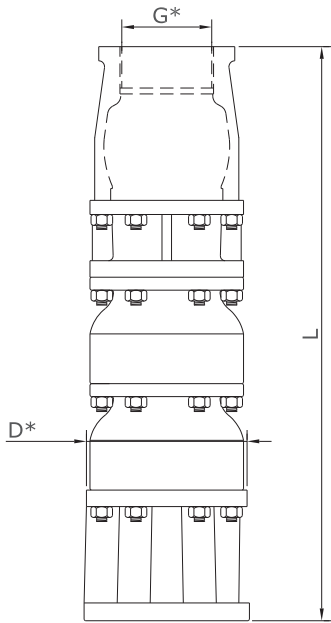


6MF 650, 50Hz
ISO 9906 Annexure A

Performance Chart

Model Name		Rating			Discharge							
Three Phase	Stage	kW	HP	l/min	0	290	650	760	870	980	1100	1180
				m³/h	0	17.4	39.0	45.6	52.2	58.8	66.0	70.8
6MF 650-02	2	4.50	6.00	HEAD IN Mtrs.	24	21	19	18	17	15	13	11
6MF 650-03	3	5.50	7.50		36	32	28	27	26	22	20	16
6MF 650-04	4	7.50	10.00		48	42	38	36	34	30	26	22
6MF 650-05	5	9.30	12.50		60	52	48	45	42	38	32	28
6MF 650-06	6	11.00	15.00		72	63	57	54	51	45	39	33
6MF 650-07	7	13.00	17.50		84	74	66	63	60	52	46	38
6MF 650-08	8	15.00	20.00		96	84	76	72	68	60	52	44
6MF 650-09	9	18.50	25.00		108	94	86	81	76	68	58	50
6MF 650-10	10	18.50	25.00		120	105	95	90	85	75	65	55
6MF 650-11	11	22.00	30.00		132	116	104	99	94	82	72	60
6MF 650-12	12	22.00	30.00		144	126	114	108	102	90	78	66
6MF 650-14	14	26.00	35.00		168	147	133	126	119	105	91	77
6MF 650-16	16	30.00	40.00		192	168	152	144	136	120	104	88

Dimensions & Weights

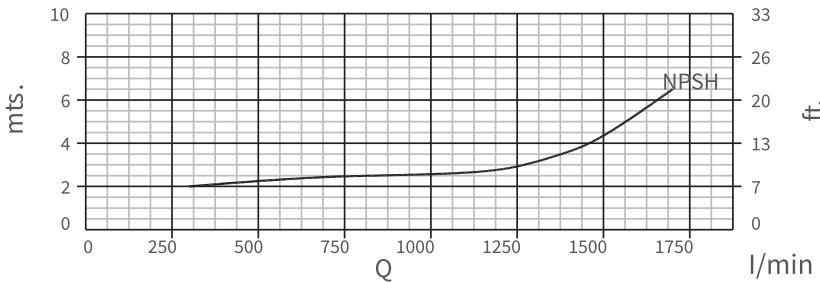
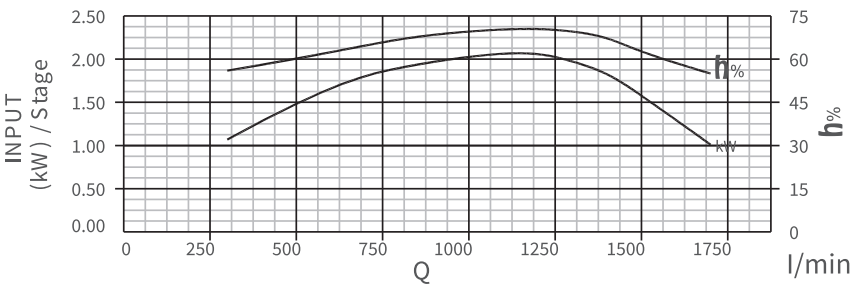
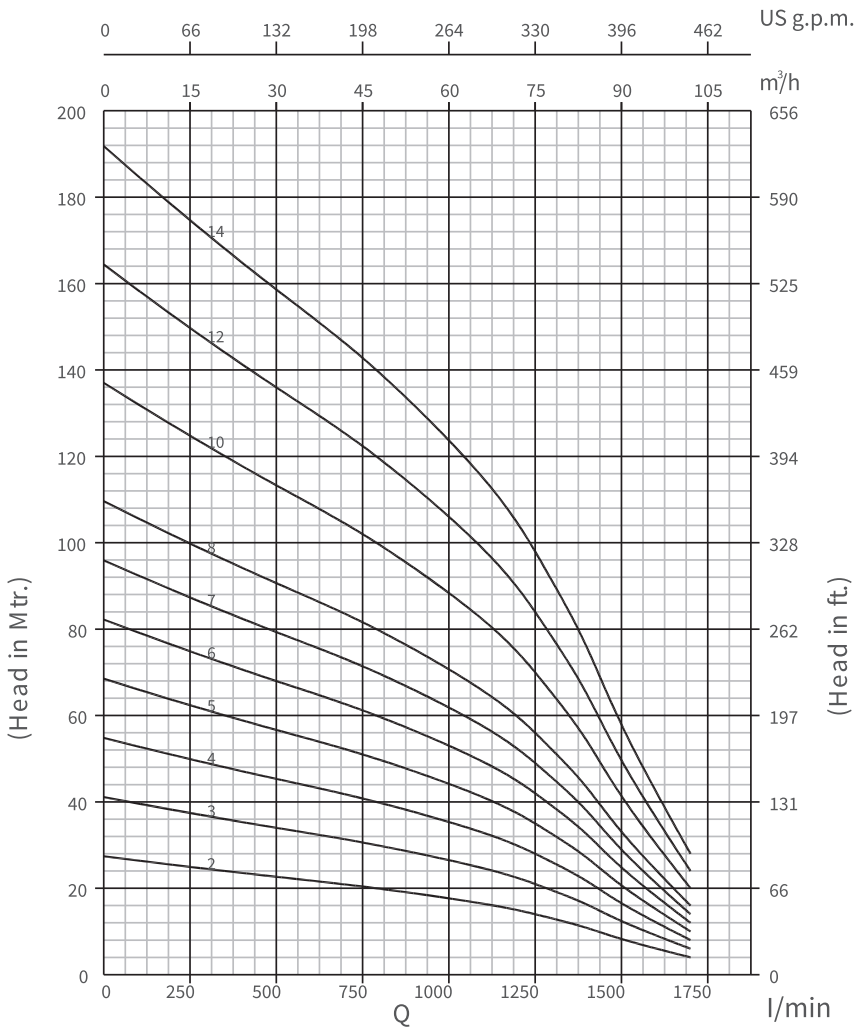


Model name	Specification				
	D (mm) Single Cable Guard	D (mm) Double Cable Guard	L (mm)	Weight (kg)	Weight (incl.pkg kg)
6MF 650-02	144	146	583	25.0	33.0
6MF 650-03	144	146	688	30.0	38.0
6MF 650-04	144	146	793	35.0	43.0
6MF 650-05	144	146	898	40.0	48.0
6MF 650-06	144	146	1003	45.0	53.0
6MF 650-07	144	146	1108	50.0	58.0
6MF 650-08	144	146	1213	55.0	63.0
6MF 650-09	144	146	1318	60.0	68.0
6MF 650-10	144	146	1423	66.0	74.0
6MF 650-11	144	146	1528	71.0	79.0
6MF 650-12	144	146	1633	76.0	84.0
6MF 650-14	144	146	1843	86.0	94.0
6MF 650-16	144	146	2053	96.0	104.0

*G:Available Outlet Size 3" & 4"
*D:With Cable Guard

6MF 670, 50Hz
ISO 9906 Annexure A

Performance Curves



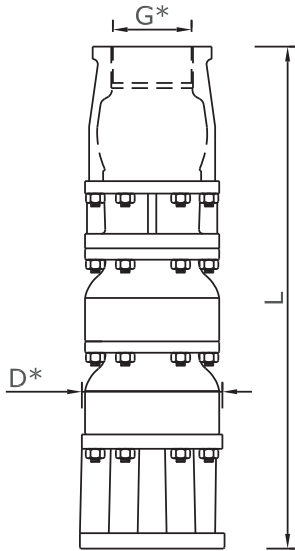
6MF 670, 50Hz
ISO 9906 Annexure A

Performance Chart

Model Name		Rating			Discharge									
		kW	HP		l/min m ³ /h	0	300	600	800	1150	1280	1400	1500	1700
Three Phase	Stage					0	18	36	48	69	76.8	84	90	102

6MF 670-02	2	5.50	7.50	HEAD IN Mtrs.	27	24	22	20	16	13	11	8	4
6MF 670-03	3	7.50	10.00		41	37	33	30	24	20	16	12	6
6MF 670-04	4	9.30	12.50		55	49	44	40	32	27	22	16	8
6MF 670-05	5	11.00	15.00		68	61	54	50	40	34	28	20	10
6MF 670-06	6	13.00	17.50		82	73	65	60	48	40	33	24	12
6MF 670-07	7	15.00	20.00		96	85	76	70	56	47	38	28	14
6MF 670-08	8	18.50	25.00		110	98	87	80	64	54	44	32	16
6MF 670-10	10	22.00	30.00		137	122	109	100	80	67	55	40	20
6MF 670-12	12	26.00	35.00		164	146	131	120	96	80	66	48	24
6MF 670-14	14	30.00	40.00		192	171	153	140	112	94	77	56	28

Dimensions & Weights



Model name	Specification				
	D (mm) Single Cable Guard	D (mm) Double Cable Guard	L (mm)	Weight (kg)	Weight (incl.pkg kg)
6MF 670-02	144	146	583	26.0	34.0
6MF 670-03	144	146	688	32.0	40.0
6MF 670-04	144	146	793	37.0	45.0
6MF 670-05	144	146	898	43.0	51.0
6MF 670-06	144	146	1003	48.0	56.0
6MF 670-07	144	146	1108	54.0	62.0
6MF 670-08	144	146	1213	59.0	67.0
6MF 670-10	144	146	1423	70.0	78.0
6MF 670-12	144	146	1633	81.0	89.0
6MF 670-14	144	146	1843	92.0	100.0

*G:Available Outlet Size 3" & 4"
*D:With Cable Guard

Submersible Pumps

**7MF 250, 7MF 350, 7MF 500, 7MF 600, 7MF 660, 7MF 680
SERIES PUMP DESIGN**

Material Specification

NO	PARTS NAME	MATERIAL	QTY
1	SUCTION (DOMESTIC)	C.I.(F.G. 200)	01
2	STAGE CASING	C.I.(F.G. 200)	REQ.
3	CASING (TOP)	C.I.(F.G. 200)	01
4	DOL	C.I.(F.G. 200)	01
5	DELIVERY CASING	C.I.(F.G. 200)	01
6	IMPELLER (G.M.)	G.M./C.I./S.S.410	REQ.
7	SLEEV (DIST.)	S.S. 410	01
8	SLEEVE (TOP)	S.S. 410	01
9	SLEEVE (BOWL)	S.S. 410	REQ.
10	BEARING BUSH	L.T.B 4 (2% NI)	01
11	BOWL BUSH	N.B.R.	REQ.
12	THRUST COLLAR	S.S. 410	01
13	TOP COLLAR	S.S. 410	01
14	BUSH COLLAR	P.P.O (20% GF)	REQ.
15	DOL CAP	P.P.O, (20% GF)	01
16	SHAFT	S.S. 410	01
17	N.R.V. CONE PLATE	S.S. 202	01
18	N.R.V. CONE ROD	S.S. 410	01
19	N.R.V. CONE SPRING	S.S. 304	01
20	N.R.V. NECKRING	M.S./N.B.R.	01
21	BOWL NECKRING	M.S./N.B.R.	REQ.
22	COUPLING(DOMESTIC)	S.S.410	01
23	STUD(BOWL & DOL)	S.S. 410	8/ST+8
24	STUD (SUCTION)	S.S. 410	08
25	HEX NUT	S.S. 202	REQ.
26	HEX BOLT	S.S. 304	01
27	KEY	S.S. 410	REQ.
28	SCREW(CABLE GUARD)	BRASS	REQ.
29	SCREW(STRAINER)	BRASS	02
30	SCREW WASHER	BRASS	10
31	STRAINER	S.S.202	01
32	PAPER GASKET	PAPER	REQ.
33	CABLE GUARD	S.S. 202	REQ.
34	IMPELLER NECKRING	S.S. 202	
35	GRUB SCREW (DOMESTIC)	S.S. 304	01
36	CABLE CLIP	S.S. 202	02
37	ALLEN BOLT	S.S.304	01

